

Time	11 ⁰⁰ 00	11 ⁰⁰ 30	11 ⁰¹ 00	11 ⁰¹ 30	11 ⁰² 00	11 ⁰² 30	11 ⁰³ 00	11 ⁰³ 30	11 ⁰⁴ 00	11 ⁰⁴ 30	11 ⁰⁵ 00	11 ⁰⁵ 30	11 ⁰⁶ 00	11 ⁰⁶ 30	11 ⁰⁷ 00	11 ⁰⁷ 30	11 ⁰⁸ 00	11 ⁰⁸ 30	11 ⁰⁹ 00	11 ⁰⁹ 30	11 ¹⁰ 00	11 ¹⁰ 30	11 ¹¹ 00	11 ¹¹ 30	11 ¹² 00	11 ¹² 30	11 ¹³ 00	11 ¹³ 30	11 ¹⁴ 00	11 ¹⁴ 30	11 ¹⁵ 00	11 ¹⁵ 30	11 ¹⁶ 00	11 ¹⁶ 30	11 ¹⁷ 00	11 ¹⁷ 30	11 ¹⁸ 00	11 ¹⁸ 30	11 ¹⁹ 00	11 ¹⁹ 30	11 ²⁰ 00	11 ²⁰ 30	11 ²¹ 00	11 ²¹ 30	11 ²² 00	11 ²² 30	11 ²³ 00	11 ²³ 30	11 ²⁴ 00	11 ²⁴ 30	11 ²⁵ 00	11 ²⁵ 30	11 ²⁶ 00	11 ²⁶ 30	11 ²⁷ 00	11 ²⁷ 30	11 ²⁸ 00	11 ²⁸ 30	11 ²⁹ 00	11 ²⁹ 30	11 ³⁰ 00	11 ³⁰ 30	11 ³¹ 00	11 ³¹ 30	11 ³² 00	11 ³² 30	11 ³³ 00	11 ³³ 30	11 ³⁴ 00	11 ³⁴ 30	11 ³⁵ 00	11 ³⁵ 30	11 ³⁶ 00	11 ³⁶ 30	11 ³⁷ 00	11 ³⁷ 30	11 ³⁸ 00	11 ³⁸ 30	11 ³⁹ 00	11 ³⁹ 30	11 ⁴⁰ 00	11 ⁴⁰ 30	11 ⁴¹ 00	11 ⁴¹ 30	11 ⁴² 00	11 ⁴² 30	11 ⁴³ 00	11 ⁴³ 30	11 ⁴⁴ 00	11 ⁴⁴ 30	11 ⁴⁵ 00	11 ⁴⁵ 30	11 ⁴⁶ 00	11 ⁴⁶ 30	11 ⁴⁷ 00	11 ⁴⁷ 30	11 ⁴⁸ 00	11 ⁴⁸ 30	11 ⁴⁹ 00	11 ⁴⁹ 30	11 ⁵⁰ 00	11 ⁵⁰ 30	11 ⁵¹ 00	11 ⁵¹ 30	11 ⁵² 00	11 ⁵² 30	11 ⁵³ 00	11 ⁵³ 30	11 ⁵⁴ 00	11 ⁵⁴ 30	11 ⁵⁵ 00	11 ⁵⁵ 30	11 ⁵⁶ 00	11 ⁵⁶ 30	11 ⁵⁷ 00	11 ⁵⁷ 30	11 ⁵⁸ 00	11 ⁵⁸ 30	11 ⁵⁹ 00	11 ⁵⁹ 30	12 ⁰⁰ 00	12 ⁰⁰ 30	12 ⁰¹ 00	12 ⁰¹ 30	12 ⁰² 00	12 ⁰² 30	12 ⁰³ 00	12 ⁰³ 30	12 ⁰⁴ 00	12 ⁰⁴ 30	12 ⁰⁵ 00	12 ⁰⁵ 30	12 ⁰⁶ 00	12 ⁰⁶ 30	12 ⁰⁷ 00	12 ⁰⁷ 30	12 ⁰⁸ 00	12 ⁰⁸ 30	12 ⁰⁹ 00	12 ⁰⁹ 30	12 ¹⁰ 00	12 ¹⁰ 30	12 ¹¹ 00	12 ¹¹ 30	12 ¹² 00	12 ¹² 30	12 ¹³ 00	12 ¹³ 30	12 ¹⁴ 00	12 ¹⁴ 30	12 ¹⁵ 00	12 ¹⁵ 30	12 ¹⁶ 00	12 ¹⁶ 30	12 ¹⁷ 00	12 ¹⁷ 30	12 ¹⁸ 00	12 ¹⁸ 30	12 ¹⁹ 00	12 ¹⁹ 30	12 ²⁰ 00	12 ²⁰ 30	12 ²¹ 00	12 ²¹ 30	12 ²² 00	12 ²² 30	12 ²³ 00	12 ²³ 30	12 ²⁴ 00	12 ²⁴ 30	12 ²⁵ 00	12 ²⁵ 30	12 ²⁶ 00	12 ²⁶ 30	12 ²⁷ 00	12 ²⁷ 30	12 ²⁸ 00	12 ²⁸ 30	12 ²⁹ 00	12 ²⁹ 30	12 ³⁰ 00	12 ³⁰ 30	12 ³¹ 00	12 ³¹ 30	12 ³² 00	12 ³² 30	12 ³³ 00	12 ³³ 30	12 ³⁴ 00	12 ³⁴ 30	12 ³⁵ 00	12 ³⁵ 30	12 ³⁶ 00	12 ³⁶ 30	12 ³⁷ 00	12 ³⁷ 30	12 ³⁸ 00	12 ³⁸ 30	12 ³⁹ 00	12 ³⁹ 30	12 ⁴⁰ 00	12 ⁴⁰ 30	12 ⁴¹ 00	12 ⁴¹ 30	12 ⁴² 00	12 ⁴² 30	12 ⁴³ 00	12 ⁴³ 30	12 ⁴⁴ 00	12 ⁴⁴ 30	12 ⁴⁵ 00	12 ⁴⁵ 30	12 ⁴⁶ 00	12 ⁴⁶ 30	12 ⁴⁷ 00	12 ⁴⁷ 30	12 ⁴⁸ 00	12 ⁴⁸ 30	12 ⁴⁹ 00	12 ⁴⁹ 30	12 ⁵⁰ 00	12 ⁵⁰ 30	12 ⁵¹ 00	12 ⁵¹ 30	12 ⁵² 00	12 ⁵² 30	12 ⁵³
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DECIMAL	BINARY
0	000000
1	000001
2	000010
4	000100
5	000101
8	001000
9	001001
10	001010
16	010000
17	010001
18	010010
20	010100
21	010101
32	100000
33	100001
34	100010
36	100100
37	100101
40	101000
41	101001
42	101010

FIG. 2

ID NUMBER	0				1				2				3			
	D(k)		C(k)	S(k+1)	C(k)		S(k+1)	C(k)		S(k+1)	C(k)		S(k+1)	C(k)		S(k+1)
0	1	000001	0	9	001001	0	33	100001	0	41	101001	0	41	101001	0	41
1	1	000001	1	9	001001	1	33	100001	1	41	101001	1	41	101001	1	41
2	17	010001	0	5	000101	0	17	010001	0	37	100101	0	37	100101	0	37
3	17	010001	1	5	000101	1	17	010001	1	37	100101	1	37	100101	1	37
4	18	010010	1	2	000010	1	18	010010	1	34	100010	1	34	100010	1	34
5	18	010010	2	2	000010	2	18	010010	2	34	100010	2	34	100010	2	34
6	18	010010	3	2	000010	3	18	010010	3	34	100010	3	34	100010	3	34
7	21	010101	0	4	000100	1	36	100100	1	21	010101	0	21	010101	0	21
8	21	010101	1	4	000100	2	36	100100	2	21	010101	1	21	010101	1	21
9	20	010100	1	4	000100	3	36	100100	3	20	010100	1	20	010100	1	20
10	20	010100	2	10	001010	1	42	101010	1	20	010100	2	20	010100	2	20
11	20	010100	3	10	001010	2	42	101010	3	20	010100	3	20	010100	3	20
12	0	000000	2	10	001010	3	42	101010	2	32	100000	2	32	100000	2	32
13	0	000000	3	8	001000	1	40	101000	1	32	100000	3	32	100000	3	32
14	16	010000	2	8	001000	2	40	101000	2	16	010000	2	16	010000	2	16
15	16	010000	3	8	001000	3	40	101000	3	16	010000	3	16	010000	3	16

FIG. 3

ID	0			1			2			3		
	D(k)	C(k)	S(k+1)	C(k)	S(k+1)	C(k)	S(k+1)	C(k)	S(k+1)	C(k)	S(k+1)	
0	1	000001	0	9	001001	0	33	100001	0	41	101001	0
1	17	010001	1	5	000101	1	17	010001	1	37	100101	1
2	18	010010	2	2	000010	2	18	010010	2	34	100010	2
3	17	010001	0	5	000101	0	17	010001	0	37	100101	0
4	18	010010	1	2	000010	1	18	010010	1	34	100010	1
5	1	000001	1	9	001001	1	33	100001	1	41	101001	1
6	18	010010	3	2	000010	3	18	010010	3	34	100010	3
7	20	010100	1	4	000100	1	36	100100	1	20	010100	1
8	21	010101	0	4	000100	2	36	100100	2	21	010101	0
9	20	010100	2	4	000100	3	36	100100	3	20	010100	2
10	21	010101	1	10	001010	1	42	101010	1	21	010101	1
11	20	010100	3	8	001000	1	40	101000	1	20	010100	3
12	16	010000	2	8	001000	2	40	101000	2	16	010000	2
13	0	000000	3	10	001010	3	42	101010	3	32	100000	3
14	16	010000	3	8	001000	3	40	101000	3	16	010000	3
15	0	000000	2	10	001010	2	42	101010	2	32	100000	2

FIG. 4

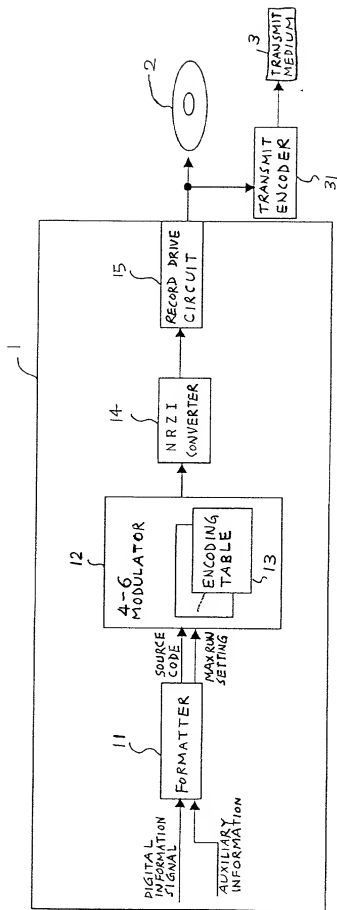


FIG. 5

RECORDING SECTOR	0	1	2	3	4
MAX RUN SETTING SIGNAL	1	0	0	1	1
Tmax	9	8	8	9	9	

FIG. 6

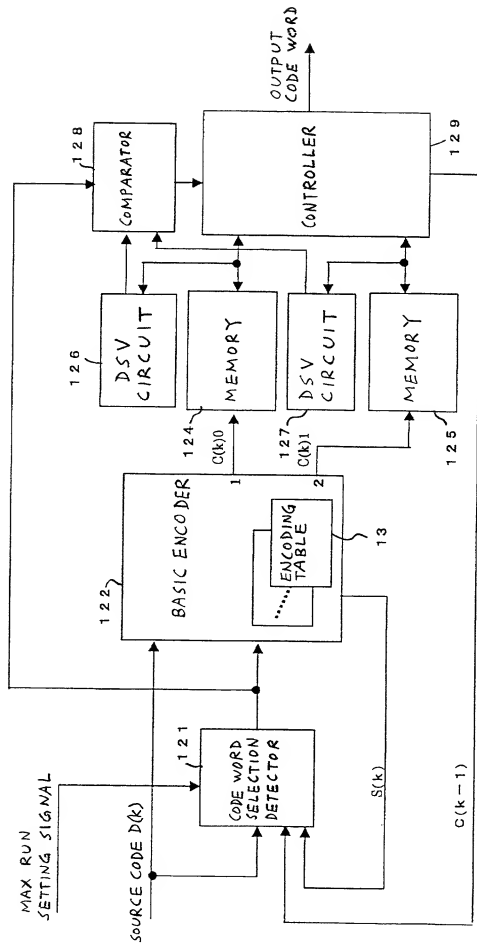


FIG. 7

INPUT CODE WORD	CURRENT-TABLE SELECTION NUMBER	OUTPUT CODE WORD	NEXT-TABLE SELECTION NUMBER
$D(k)$	$S(k)$	$C(k)$	$S(k+1)$
4	0	18	1
5	1	2	2
6	2	18	3
7	3	21	0
8	0	21	1

FIG. 9

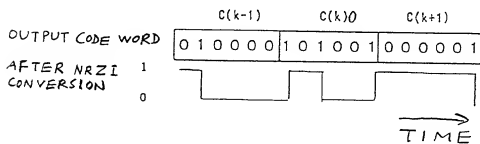


FIG. 10

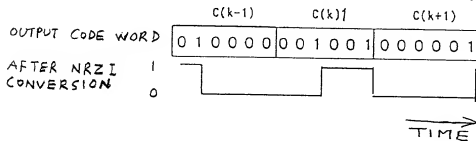


FIG. 8

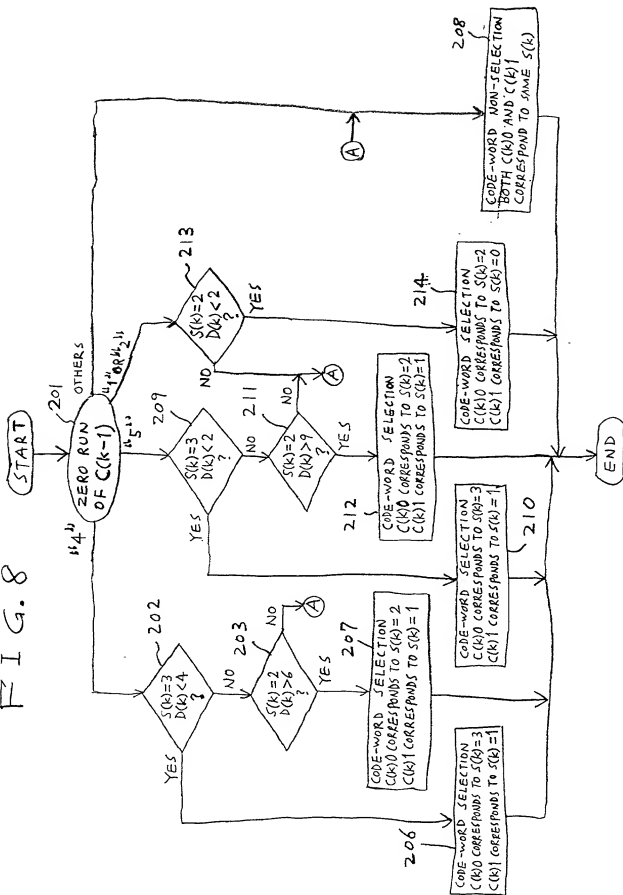
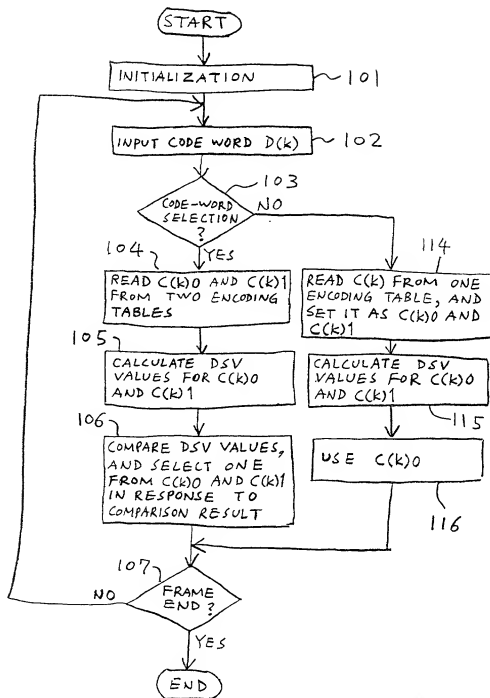


FIG. 12



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FIG. 13

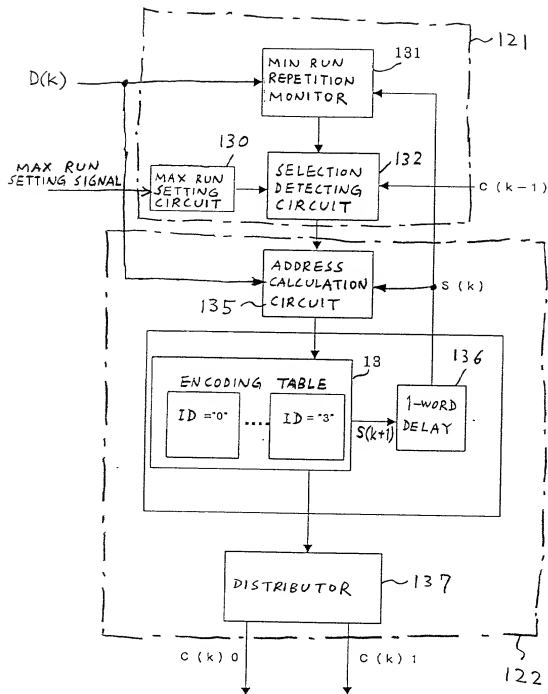


FIG. 14

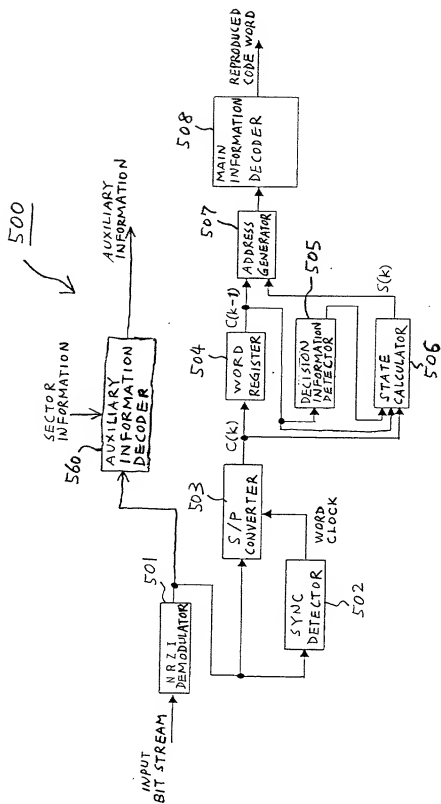


FIG. 15

C(k-1)		DECISION INFORMATION	D(k-1)			
DECIMAL	BINARY		S(k)=0	S(k)=1	S(k)=2	S(k)=3
0	000000	2	7	-	12	13
1	000001	0	0	1	-	-
2	000010	1	-	4	5	6
4	000100	1	-	7	8	9
5	000101	0	2	3	-	-
8	001000	1	-	13	14	15
9	001001	0	0	1	-	-
10	001010	1	-	10	11	12
16	010000	2	-	-	14	15
17	010001	0	2	3	-	-
18	010010	1	-	4	5	6
20	010100	1	-	9	10	11
21	010101	0	7	8	-	-
32	100000	2	-	-	12	13
33	100001	0	0	1	-	-
34	100010	1	-	4	5	6
37	100101	0	2	3	-	-
40	101000	1	-	13	14	15
41	101001	0	7	8	-	-
42	101010	1	-	10	12	11

FIG. 16

D(k)	C(k)	DECISION INFORMATION	S(k)
15	010000	2	3
0	001001	0	0
1	000001	0	1
2	000101	0	0
3	010001	0	—

FIG. 17

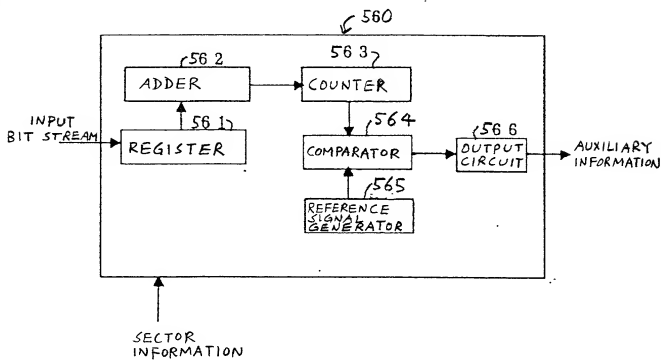


FIG. 18

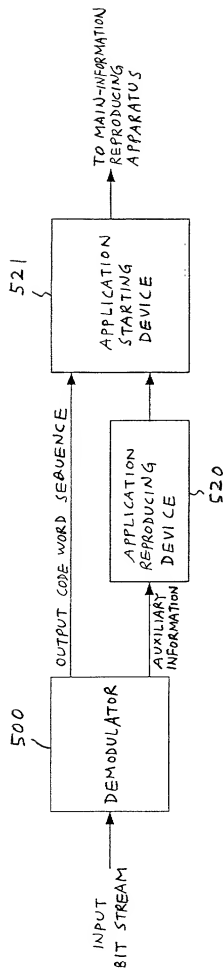


FIG. 19

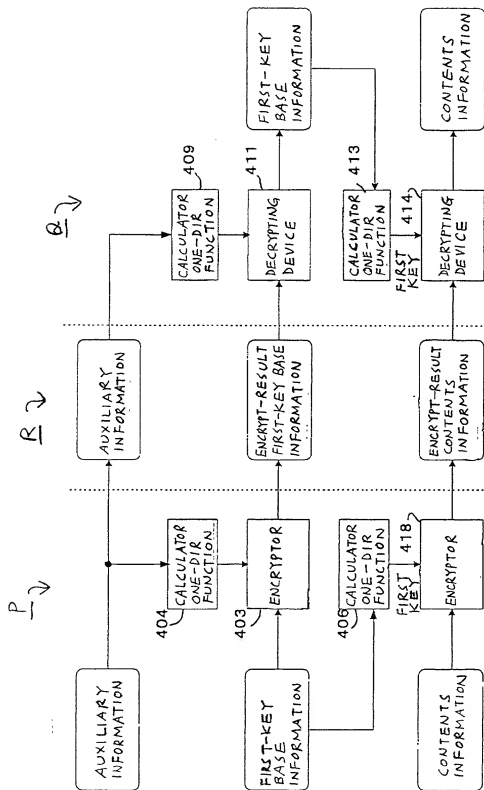


FIG. 20

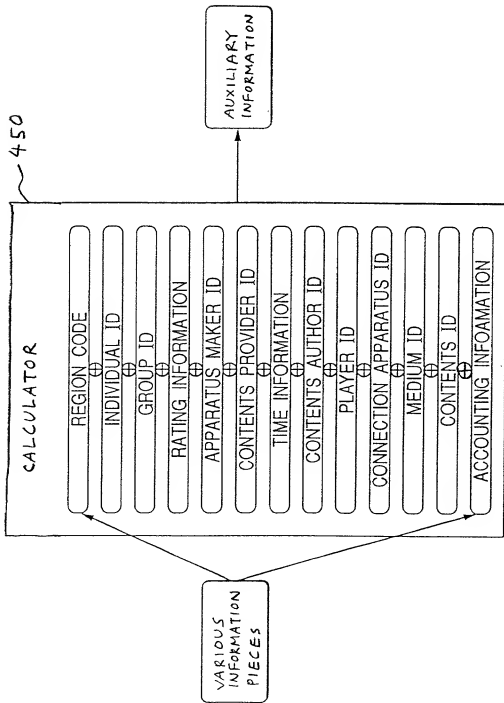


FIG. 21

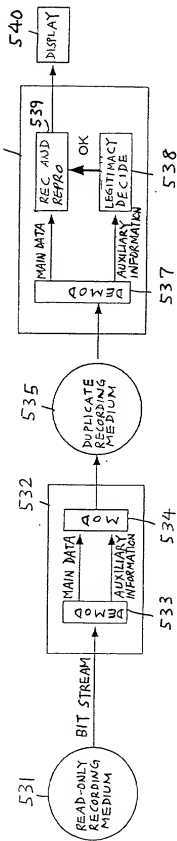


FIG. 22

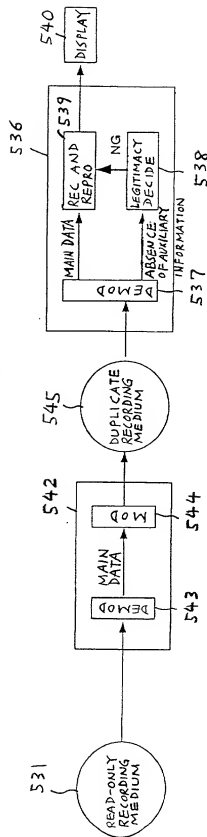


FIG. 23

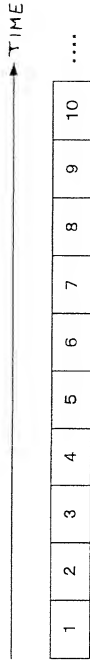


FIG. 24

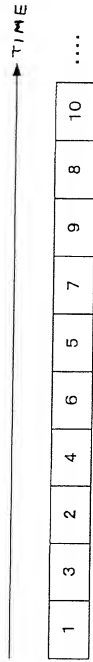


FIG. 25

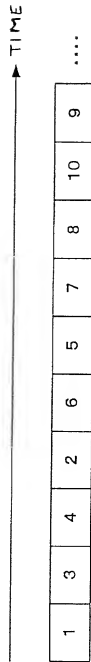


FIG. 26

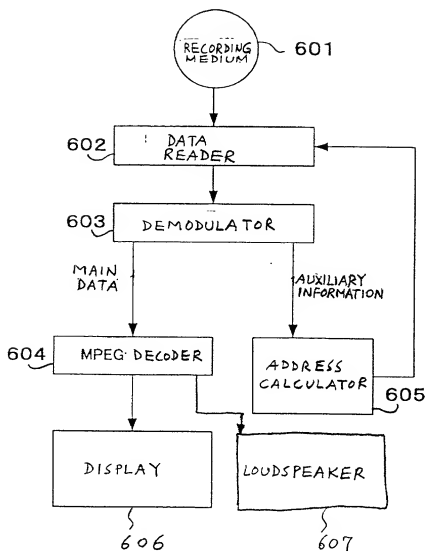


FIG. 27

